

**U. S. DEPARTMENT OF ENERGY  
ROCKY FLATS PLANT  
ENVIRONMENTAL RESTORATION PROGRAM WEEKLY REPORT  
WEEK ENDING SEPTEMBER 10, 1993**

**Section I - Interagency Agreement (IAG)**

**OU 1 - 881 Hillside-Phase III Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Remedial Investigation (RI)**

The EG&G review of the Final RI document is underway. After the EG&G review process is complete, all work on this project will be stopped.

Revisions to the Interim Measures/Interim Remedial Action (IM/IRA) quarterly report are underway based on the RFO comments.

**OU 1 881 Hillside Interim Measure/Interim Remedial Action (IM/IRA) Treatment Building 891**

Retreatment of Tank 205 was successful in reducing the levels on iron below discharge standards.

Laboratory analysis of the water from the unplanned release of 60,000 gallons from Tank 207 shows that the Applicable or Relevant and Appropriate Requirements (ARARs) were met for Water Quality and Volatile Organic Compounds. All metals were below ARARs with the exception of iron. The total iron content of the water was 357 parts per billion (ppb). The ARARs for dissolved iron is 300 ppb. Therefore, it remains uncertain whether ARARs were violated for dissolved iron. The remaining water in the tank will be sampled for dissolved iron to verify.

The subcontractor completed five draft Standard Operating Procedures (SOPs). The completion of these procedures allows the subcontractor to resume partial operation of the treatment facility. A shift order was issued to allow this partial resumption under draft procedures. Only those activities with procedures will be performed. The subcontractor is currently working on additional procedures for the remaining aspects of the operation of the plant.

**Feasibility Study/Corrective Measures Study (FS/CMS)**

Work on the FS is underway. Technical Memorandum (TM) #10, *Preliminary Remediation Goals*, was delivery to the regulatory agencies on September 7, 1993. TM #11, Alternatives Array, will be received by RFO in October 1993.

**Total treated ground water for OU 1**

Treated Ground Water this Week:

6,833 gallons

Total treated to date:

1,544,796 gallons

**OU 2 - 903 Pad, Mound, East Trenches Area**

**Remedial Assessment**

The B-series well could not be developed within 1-month of installation and is considered dry. Slug testing for the remaining wells will occur as soon as possible.

Fencing the americium zone in response to the tiger team finding is being delayed because of a Davis Bacon Act determination. The appropriate paperwork has been submitted to the Department of Energy (DOE) Davis Bacon Committee, and the determination is expected to take 4 weeks.

Surface Water IM/IM

**Subsurface Water IM/IRA**

Drilling operations at test site 1 have been completed.

The Integrated Work Control Package IIWCP) has been approved.

The impact of the non-aqueous phase liquid (NAPL) encountered during drilling on the objectives and performance of the IM/IRA is being evaluated. The evaluation will identify and/or resolve technical, safety, and regulatory agency concerns. A meeting was held on September 8, 1993, to discuss these issues with the regulatory agencies.

The readiness review was completed. Several items remain open that are related to post start-up documentation.

Efforts continue to subcontract the detailed portion of the Soil Vapor Survey. Proposals have been received and technical evaluations are being conducted.

A draft of the IM/IRA Implementation and Operation Plan for the Soil Vapor Extraction Pilot Test was received by RFO.

#### Surface Water IM/IRA

Comments from the regulatory agencies for the Draft Surface Water IM/IRA Treatability Study Report (TSR) are pending. The Final report will be completed when these comments are received.

#### Field Treatment Unit (FTU) Surface Water Treatment Facility

Two 55-gallon drums of sludge from the FTU were packaged.

A Quality Assurance (QA) Self Assessment concluded field work. This internal audit reviewed all areas of operations to assure OU 2 FTU compliance.

An accelerated schedule has been implemented to incorporate Standard Operating Procedures (SOPs) into daily operations. The OU 2 FTU should be operating under SOPs by the middle of October 1993. Currently, activities are referred to in the Operations and Maintenance Manuals.

Preventative maintenance continues at the FTU. All pressure gauges, flow meters, and other items that require annual recalibration/inspection have been inventoried and are being prepared for recalibration. All paperwork will be prepared in advance so that the items can be submitted the first part of October 1993 (start of FY94) to the EG&G Metrology Laboratory.

Quarterly notification for periods of noncollection at the OU 2 FTU was received by RFO on September 3, 1993. This information is forwarded to the regulatory agencies. The total time of noncollection for May, June, and July 1993 was 14.25 hours (including routine generator servicing and maintenance).

#### Feasibility Study (FS)

The FS Statement of Work (SOW) has gone out for bid under the Master Task System (MTS). FS work responsibility continue to be assigned.

#### Total Treated Surface Water for OU 2

Total treated surface water this week:	131,740 gallons
Total treated water to date:	17,692,850 gallons

#### OU 3 - Offsite Areas

Offsite landowners will be informed through a form letter on the laboratory analysis results of soil samples obtained from their property. The letter is being reviewed by EG&G legal, EG&G community relations, and RFO prior to its release to the landowners.

Procurement is modifying the contract to develop the draft and final RI Reports. This modification provides resources needed to adjust the contract following the approval of the schedule extension.

Weed control actions on the Jefferson County (Jeffco) Settlement Agreement property started on September 8, 1993, as required under this legal action.

#### OU 4 - Solar Evaporation Ponds Phase I RFI/RI Program

EG&G has been developing an accelerated schedule to commence closure-construction for the Solar Evaporation Ponds, OU 4 Phase I remediation. This work supports DOE's dispute resolution with the regulatory agencies regarding two IAG milestones for OU 4. The preliminary schedule was developed under the assumption that only a portion of the scope of closure would drive the schedule, therefore, EG&G could develop the schedule only for that portion of scope. Upon contingency analysis, EG&G determined that the schedule presented approximately a 33 percent chance of success. A higher level of degree of confidence is preferred for an agreement with the regulatory agencies. To achieve a higher degree of confidence, the remainder of the scope was planned, including site preparation, breakdown of Building 788, and addition of a waste storage and treatment area. EG&G now has a schedule with a 90 percent chance of success to provide to RFO. To

accommodate the additional activity, RFO contacted CDH and verbally provided EG&G with a 1-week extension on the delivery date for the schedule, now due September 14, 1993.

Work on the OU 4 Streamline Interim Measure/Interim Remedial Action (IM/IRA) continues. A detailed Work Breakdown Structure (WBS), logic diagram, resource loaded schedule, and various project management documentation have been generated to support the streamline IM/IRA program.

Core logging activities continue for the OU 4 Phase I RFI/RI Program. Of the 53 core logs, 45 have been completed and approved by EG&G. The remaining 8 are being processed and should be finished and submitted to EG&G for approval by September 10, 1993.

Pre-mobilization planning activities are being conducted for mobilization into Ponds 207B Center and North on September 13, 1993.

Data evaluation and report development continues for the OU 4 Phase I RFI/RI Program for February 1994.

#### OU 5 - Woman Creek

All field work other than routine monitoring has been completed at OU 5.

Comments have been received back from EPA on Draft TM #12, *Exposure Scenarios*. Comments from CDH are pending.

Draft TM #13, *Modeling*, was received by RFO for review and comment. EG&G is concurrently reviewing and commenting on the TM. Two-thirds of the comments have been received.

The RFO technical audit of OU 5 is complete. The auditors delivered a briefing on September 10, 1993, on their findings.

#### OU 6 - Walnut Creek

The Modeling TM was submitted to the regulatory agencies on August 4, 1993. Comments from the regulatory agencies on the Modeling TM were due on September 1, 1993. EPA comments are also overdue on the Exposure Scenarios TM. They were due by July 28.

TM # 3, *Modeling Surface and Ground Water*, and TM #2, *Exposure Scenarios* were submitted to the regulatory agencies and comments are pending.

RFO granted EG&G the same 10-month extension to the OU 6 IAG Milestones that was approved by EPA. The revised IAG Milestones for submittal of the Draft and Final RFI/RI Report are June 10, 1994 and November 18, 1994.

#### OU 7 - Present Landfill

A meeting was held with the regulatory agencies and EG&G on September 3, 1993, to discuss details for the scope and schedule revisions to the original IAG scope and schedule. In general, the regulatory agencies agreed to the concepts proposed. Further research is necessary to detail the most effective process for obtaining closure for OU 7.

A summary of meeting activities follows:

1. All parties concurred with removing the risk assessment from driving the IM/IRA process and recognized Colorado Hazardous Waste Act (CHWA) closure requirements and EPA "presumptive remedies" drive closure.
2. All parties agreed with delaying the risk assessment until post-closure.
3. The Fiscal Year (FY) 94 work packages were approved by RFO.
4. All parties agreed with revising the Phase I Work Plan to support a comprehensive investigation eliminating the need for a Phase II Work Plan.
5. All parties agreed to meet on a regular basis to define the new scope for OU 7.

#### **OU 9 - Original Process Waste Lines (OPWL)**

The first draft of TM #1, *Field Sampling Plan Part 1 Outside Tanks*, is being prepared. The visiting of each tank site in OU 9 to prepare a sketch map and indicate specific locations to take soil samples, residue samples, etc. form the basis of the data compilation for this TM.

#### **OU 10 - Other Outside Closures**

The IA HSP has been signed and approved by the regulatory agencies, RFO, and EG&G. Additional RFO comments will be addressed by October 1, 1993. Now that the IA HSP has been approved, it is anticipated that field crews will begin collecting surficial soil samples at OU 10 beginning the week of September 20, 1993.

The High Purity Germanium detector (HPGe) is needed in the Protected Area (PA) to conduct IA OU 10 field work. Access to the PA by the HPGe has been delayed and this could have impacts to the schedule. EG&G is activity working to resolve this problem.

Initial evaluation of Phase I HPGe survey data, outside of the PA, have been completed for OUs 8, 10, 12, 13, and 14. So far, no additional radioactivity has been detected by the ground based HPGe. This supports the data collected during the aerial surveys of the IA conducted 2 years ago. However, additional HPGe data collection analysis may be needed in order to more fully characterize each IHSS in the IA.

#### **IHSS 170/174 and 176 Waste Removal Update**

No approved funding was included in the final FY 94 work packages. It has not yet been decided how removal of waste storage items will be accomplished during FY94. Until this funding issue is resolved, no efforts will be made to begin work on removing all materials found in or around IHSSs 170/174 and 176. However, work will proceed in areas where material storage will not adversely affect data collection activities.

#### **OU 11 - West Spray Field**

The proposal to combine the two phases of OU 11's Field Sampling Plan (FSP) was verbally concurred with by the regulatory agencies. Furthermore, it was recommended that the OU be rescoped to be a IM/IRA/Closure Plan. This recommendation will be examined and compared with the original idea to follow the IAG schedule and delete milestones that do not apply. The regulatory agencies agree to this evaluation and will approve the plan that is the most schedule and cost effective. These issues and resolutions will be documented in an official memo from the regulatory agencies.

The revised FSP is near completion. The analytes of concern for each media are being calculated and determined. The HPGe began field screening to further define the scope of the FSP.

An audit briefing was held September 7, 1993. EG&G is going to perform an internal audit that will include OU 11. This audit will begin on September 13, 1993.

#### **OU 12 - 400/800 Area**

All Stage I High Purity Germanium (HPGe) survey data, outside of the PA, have been collected for OUs 10, 12, 13, and 14. The portions of OU 8 outside the PA have also been surveyed. The survey data is currently being analyzed and should be completed by the end of September 1993. Results from this data evaluation will provide direction for future HPGe and Sodium Iodide survey points, if needed.

The procurement package for implementation of the IA environmental evaluation (EE) was submitted to Procurement on July 21, 1993. One EE will be conducted for the entire IA but will support the information required in the Phase I RFI/RI Work Plans for OUs 4, 8, 9, 10, 12, 13 and 14. The implementation will be conducted by using the OU 9 EE TM. The subcontractor proposal was received on August 31, 1993, and it was determined that the proposal was twice the amount of effort required under this statement of work (SOW). A meeting was held on September 8, 1993 to eliminate any discrepancies.

#### **OU 13 - 100 Area**

Work continues on developing an action plan to correct the situation of several field procedures never being finalized as controlled documents. The Draft Action Plan is due September 17, 1993. The following procedures were used this field season and were not issued as controlled documents:

5-21000-OPS	GT.22	IN SITU SAMPLING WITH BAT SYSTEM
5-21000-OPS	GT.25	SEQUENTIAL EXTRACTION FOR SOIL ANALYSIS*
5-21000-OPS	GT.26	DETERMINATION OF HYDRAULIC CONDUCTIVITY USING A TENSION* INFILTRMETER

5-21000-OPS	GT.27	AUTONOMOUS OPERATIONS OF GLOBAL POSITIONING EQUIPMENT
5-21000-OPS	GT.28	DIFFERENTIAL PROCESSING OF GLOBAL POSITIONING EQUIPMENT
5-21000-OPS	GT.29	REAL-TIME DIFFERENTIAL OPERATION OF GLOBAL POSITIONING EQUIPMENT
5-21000-OPS	GT.30	IN SITU CHARACTERIZATION OF RADIONUCLIDES USING HPGE DETECTORS
5-21000-OPS	GT.31	DETERMINING MATRIC POTENTIAL USING SOIL MEASUREMENT SYSTEM TENSIMETERS
5-21000-OPS	GT.32	BULK DENSITY MEASUREMENTS OF SOIL
5-21000-OPS	GT.33	PROCEDURE FOR USING THE DOUBLE-RING INFILTRMETER
5-21000-OPS	GT.34	GUELPH PERMEAMETER
5-21000-OPS	GT.35	PROCEDURE FOR DIELECTRIC WATER CONTENT MEASUREMENT
5-21000-OPS	GT.36	PROCEDURE FOR THE DETERMINATION OF BULK DENSITY
5-21000-OPS	GT.37	PROCEDURE FOR NEUTRON MOISTURE LOGGING
5-21000-OPS	GT.38	PROCEDURE FOR LYSIMETER INSTALLATION AND SAMPLING

\*Procedures GT.25 and GT.26 have been approved by the regulatory agencies.

Document Modification Request forms have been completed. Verification and validation forms were distributed by September 10, 1993. History files will be reviewed and finalized by September 17, 1993.

#### **OU 14 - Radioactive Sites**

The Health and Safety plan (HSP) for the integrated OU project is pending approval until comments from RFO are resolved.

The review of GT.08, Surface Soil Sampling Standard Operating Procedure, was completed.

#### **OU 15 - Inside Building Closures**

Floor/equipment hot water rinsate sampling has been completed in Building 883. The Radiological Screen surveys were performed in Building 883. Radiological surveys for removable radionuclides (smear/swipe sampling) were completed in Building 865. Floor/equipment hot water rinsate sampling equipment will be mobilized into Building 865 and sampling began on September 9, 1993.

The CDH walk through of Building 883 was conducted on September 2, 1993.

Quality Assurance (QA) began an informal review of OU 15 field work. This involved a review of the FSP in the Work Plan and will involve a visual inspection of the field work, primarily the floor/equipment hot water rinsate sampling.

#### **OU 16 - Low Priority Sites**

A memorandum was written that discussed RFO comments on the draft Proposed Plan (PP), the schedule for the finalization of the PP, the public comment period, development of the responsiveness summary, and the Record of Decision (ROD). The memorandum was distributed to the regulatory agencies and EG&G.

#### **Integrated Operable Units - OUs 8, 9, 10, 12, 13 and 14**

The HPGe unit completed work on OU 8 IHSS 172. The remaining work for the HPGe unit for the IA OUs is within the PA. Permits to authorize ingress and egress of the HPGe unit have been completed; however, the computer equipment associated with the HPGe that needs to be brought into the PA has caused delay. This delay for access is expected to take 2-3 weeks for resolution. The HPGe team will begin collecting information on OU 11. An area of OU 11 has been identified to start HPGe readings and is expected to take 2 weeks to complete. This activity in OU 11 will avoid unnecessary down time for the HPGe.

A cost estimate for removal of materials covering all the IA OU IHSSs was submitted. An estimated \$1 million will be necessary to remove materials to support environmental investigation of the IA OUs. The tasks for IHSS material removal have been incorporated in the IA OUs work packages and also the funding will come from each IA OU. RFO is still concerned that ERM funds should not be paying for a plant support activity, i.e. material transfer.

#### **Interim Measures/Interim Remedial Action Plan (IM/IRAP)**

##### **Phase II Geologic Characterization Data Acquisition**

Technical evaluations for the IA IM/IRA subcontractor award began. They should be completed by September 15, 1993, and the contract award by October 1, 1993.

The latest revision of the strategic plan was reviewed and a revised document was completed by September 10, 1993.

### **Sitewide Activities**

#### **Annual Report**

The Sitewide Treatability Studies Annual Report is an IAG milestone. The annual report includes a summary of the status of each of the sitewide projects, a literature review of new and emerging technologies, and a summary of other relevant environmental projects at RFP. The final report (FY92) was delivered to EPA and CDH for DOE on Monday, March 8, 1993.

The contract to prepare the FY93 Annual Report should be effective on October 1, 1993.

The technical review of the two subcontractor proposals for the preparation of the Annual Report was completed and turned over to Procurement. It requested additional information to back up technical evaluation. This request was responded to, and the award of the subcontractor is anticipated by September 30, 1993.

#### **Soil Washing Demonstration (NRT)**

Nuclear Remediation Technologies (NRT), a subsidiary of General Atomics located in San Diego, California, proposed to test its proprietary soil washing process on a sample of RFP plutonium contaminated soil. The test work was carried out with no charge to RFP, other than the costs for obtaining and shipping the soil sample and for someone from EG&G to witness the test work.

Preliminary results show that the flotation step reduced the activity in the soil by about one half. The sample used in the flotation test showed an activity of 19 pCi/g before the flotation and an activity of 9.8 pCi/g after flotation. Thus, removing the organic material contained in the soil reduced the radioactive activity by 50 percent. Subsequent leaching of the remaining soil with nitric acid or a halogen solution reduced the activity to 1.65 and 3.81 pCi/gram. Sample recovery was 87 percent for the nitric acid leach and 93 percent for the halogen leach. Overall, the combined treatment process reduced the activity from approximately 19 pCi/gram to as low as 1.65 pCi/gram, a 90+ percent reduction in activity. However, this still did not reach the state's suggested goal of 0.9 pCi/gram.

A letter/report summarizing the results of the test work performed by NRT has been received. However, the information provided was inconclusive and additional information has been requested from NRT. They will perform additional testing per EG&G's request but the decision has to be considered based on the available data.

### **Other Activities**

#### **RCRA Units**

RCRA Unit 18.03 has 66 OU 1, 243 OU 2, 4 Well Abandonment and Replacement Program (WARP), 102 OU 5, 112 OU 6, 92 OU 7, 167 Main Decontamination Facility (MDF), 439 OU 2 Bedrock (BR) and 2 Ebasco Underground Storage Tank (UST), 2 Ebasco Sitewide Drilling Program (SW) drums for a total of 1,229 drums. Forty-four of the 553 that were real-time radiographed (RTRd) have detectable water.

RCRA Unit 18.04 has 12 SW, 18 OU 1, 123 OU 2 BR, 32 OU 5, 33 WARP, 29 Main Decontamination Facility (MDF), and 30 OU 2 exceedance drums for a total of 277 drums stored in it. Forty-two drums from OU 2 BR and 26 drums from the Seismic Borehole (SB) Project are presently being stored at RCRA Unit 1940 and are being readied to be shipped to RCRA Unit 18.03 or RCRA Unit 18.04.

There are 1,841, 55-gallon drums and 1,897, 30-gallon drums for a total of 3,738 environmental gray drums. Weekly RCRA inspections were completed. Monthly and weekly drum inspections have been started for the month of September 1993.

Six hundred sixty-eight drums in the field with no exceedances have been marked with yellow tape and the data being validated prior to final disposition.

#### **Main Decontamination Facility (MDF)**

A walk down of the facility was conducted to determine what to do with the items that have accumulated behind the decontamination pad. During the walk down it was decided what to move where and what areas to clean up.

Total downtime at the decontamination pad for the work week was 0 hours.

The pad was RCRA inspected throughout the week. Environmental and radiological readings were at background levels.

On August 26, 1993 the MDF/Protected Area (PA) Decontamination Facility (PADF) crew decontaminated the old decontamination pad liner. The liner was surveyed and smeared prior to decontamination. Readings were found to be less than background. The liners were bagged and turned over to EG&G Facility Operations Management (FOM) drum coordinators upon completion of the task.

## **Section II - Solar Ponds Remediation Project (SPRP)**

### **Regulatory**

In response to a request from DOE/Headquarters (HQ), all Interagency Agreement (IAG) Table 6 milestones for OU 4 were compared against criteria provided by DOE/HQ. This criteria identified Table 6 milestones that DOE/HQ may wish to discuss with EPA due to technical or logistical impracticalities. Information was provided on potential modifications to the identified milestones, discussions with regulatory agencies on the modifications, and budget impacts. This information will contribute to a review by the Secretary of Energy and Congressional authorization and appropriation committee members to improve resource utilization and more fully balance the interests of all stakeholders in DOE/HQ's environmental management activities.

### **Pad Operations Status and Issues**

The Pad Sealing Project has been completed on both Pads. One problem on the 750 Pad remains unresolved. Because of problems that developed after planning of the pad seal project, about 150 square feet remain unsealed. This problem has been included in Pad Surface Improvements. Pad Surface Improvements is a request for proposal from a subcontractor. Work is expected to begin within 10 working days will be completed by October 15, 1993. This will allow termination of runoff collection on the 750 Pad.

### **Pond Sludge Status and Issues**

A SOW was issued in draft form directing the subcontractor to remove equipment from the plantsite. As of September 8, 1993, the subcontractor will be under contract to remove equipment from the plantsite.

The comment period and comment resolution period for the Accelerated Sludge Removal Project (ASRP) Design Criteria Package (DCP) was completed September 10, 1993. The subcontractor will issue the final document, which closes the conceptual design process. Title II design will commence immediately.

Schedule contingencies were developed for both the ASRP and the streamlined IM/IRA schedules. Both documents were received by RFO as input to the Dispute Resolution Process.

### **Water Management Status and Issues**

	<b>This Week</b>	<b>Total (since 4/1/93)</b>
Pond water to Bldg. 374 : (gal)	0	1,405,000
Modular tank water to Bldg. 374: (gal)	0	331,000
Modular tank water to Bldg. 910: (gal)	3,000	63,000
Pond water & sludge volume: (gal, Approx)	99,700	
Interceptor Trench Flow: (gal)	15,900	835,700-
Available Modular Tank Volume: (gal)	560,500	(926,500 max)

No pond water was pumped to Building 374 this week. The 374 evaporators were taken out of service September 7, 1993, for replacement of a main heat exchanger and will be out of service for the rest of September 1993. Operations will process from Tank 231 D until the volume is about 100,000 gallons. This amount should be adequate volume for normal plant operations for the month. No water will be taken from the solar ponds until October 1993.

The Building 910 evaporator has operated 1 day since the feed line was repaired. Problems with level controls in the MEMS brine tanks and pump-leaks have prevented continuous operations as planned.

Pond 207B north is now being radiologically surveyed in preparation for drilling.

### **Section III - Surface Water Management**

#### **Section IV - Meetings**

**OU 7 - Present Landfill** - A meeting was held with the regulatory agencies and EG&G on September 3, 1993, to discuss details for the scope and schedule revisions to the original IAG scope and schedule.

**Interim Integrated Roadmap** - A meeting was held to discuss and finalize the schedule for producing the FY93 Interim Integrated Roadmap by the September 30, 1993, deliverable due date.

#### **Section V - Future**

##### **Community Relations**

###### **ER Community Relations Plan**

The ER Community Relations Plan is scheduled to be updated in December 1993. A questionnaire is being developed to send to 35 citizens who will compose a focus group to help revise the plan. Interviews will be conducted in September 1993.

##### **Surface Water video**

Editing of the Surface Water video has begun. The video will be shown at the next ER Quarterly Public Information meeting tentatively scheduled for September 28, 1993.

##### **ER93 EXPO**

Work is ongoing for the ER exhibit for ER93 to be held in Augusta, GA, in October 1993.

#### **Upcoming Events**

August 28, 1993	ComRad Environmental Monitoring Station Open House, Westminster, 11:00 a.m. - 3:00 p.m., Country Side Recreation Center, Westminster, CO.
August 31, 1993	Environmental Surveillance Exchange of Information Meeting, 1:30 p.m., Broomfield City Council Chamber, No. 6 Garden Office Center, Broomfield, Colorado.
September 7, 1993	Public Open House for Reconfiguration Hosted by DOE-HQ Office of Defense Programs, 6:00 p.m. to 9:00 p.m., Ramada Hotel, 8773 Yates, Westminster, Colorado.
September 8, 1993	Public Scoping Meeting for the Environmental Impact Statement for the Reconfiguration of the Weapons Complex, 9:00 a.m. to 9:30 p.m. Ramada Hotel, 8773 Yates Drive, Westminster, Colorado. Comments will be taken.
September 8, 1993	Technical Review Group Meeting, 1:30 p.m. to 4:00 p.m., Westminster City Hall, 4800 West 92nd Avenue, Westminster, Colorado, 8003.
September 15, 1993	RCRA Permit Modification Request 15 Public Information Meeting, 7:00 p.m. 9:00 p.m.
September 21, 1993	Colorado Council on Rocky Flats (CCRF) Environmental Management Committee Meeting, 5:30 p.m. to 7:00 p.m., location to be announced. Agenda: Status of CCRF Public Participation, Planning and Tracking Model for Environmental Restoration and Waste Management at Rocky Flats.
September 28, 1993	Environmental Surveillance Exchange of Information Meeting, 1:30 p.m. Broomfield City Council Chamber, No. 6 Garden Office Center, Broomfield, Colorado.
September 28, 1993	Quarterly Environmental Restoration Information Meeting, 7:00 p.m. to 9:00 p.m., Ramada Hotel, 8773 Yates Drive Westminster, Colorado.



October 5, 1993	Public Comment Meeting and Workshop for the Environmental Assessment for Building 707, at 7:00 p.m. to 9:00 p.m., location TBD.
October 13, 1993	The Rocky Flats Plant Public Meeting, at 7:00 p.m., Denver Marriott West, 1717 Denver Marriott Blvd., Golden, Colorado. Topic: Discussion on Transition Plan.
October 21, 1993	Colorado Department of Health Advisory Panel Public Meeting, at 6:30 p.m., Arvada Center for the Arts and Humanities, 6901 Wadsworth Blvd. Arvada, Colorado.
October 26, 1993	Environmental Surveillance Exchange of Information Meeting, at 1:30 p.m., Broomfield City Council Chamber, # 6 Garden Office Center, Broomfield, Colorado.

#### IAG MILESTONES THROUGH FISCAL YEAR 1994

<u>OU#</u>	<u>Milestone Description</u>	<u>IAG Date Scheduled to EPA/CDH</u>	<u>Status</u>
2	Submit Draft Phase II RFI/RI Report	12 Mar 93	Extension denied/ Delinquent
4	Submit Draft Phase I RFI/RI Report	21 May 93	Extended to 14 Sep 93
2	Submit Final Treatability Test Report	13 Jul 93	Extended to 8 Sep 93
3	Submit Draft Phase I RFI/RI Report	16 Jul 93	Extended to 14 Feb 94
6	Submit Draft Phase I RFI/RI Report	04 Aug 93	Extension request submitted
2	Submit Final Phase II RFI/RI Report	09 Aug 93	Extension denied/ Delinquent
7	Submit Draft Phase I RFI/RI Report	12 Oct 93	•
4	Submit Final Phase I RFI/RI Report	18 Oct 93	Extended to 14 Feb 94
2	Submit Draft CMS/FS Report	04 Nov 93	*
1	Submit Final Phase III RFI/RI Report	04 Jan 93	Extended to 15 Nov 93
5	Submit Draft Phase I RFI/RI Report	30 Nov 93	•
3	Submit Final Phase I RFI/RI Report	13 Dec 93	Extended to 21 Oct 94
1	Submit Draft Proposed Plan	27 Sep 93	Extension request submitted
1	Submit Final Proposed Plan	04 Jan 94	Extension request submitted
6	Submit Final Phase I RFI/RI Report	07 Jan 94	Extension request submitted
1	Submit Draft CMS/FS Report	31 Mar 94	Extended to 11 Feb 94
8	Submit Draft Phase I RFI/RI Report	14 Feb 94	•
7	Submit Final Phase I RFI/RI Report	16 Mar 94	•
9	Submit Draft Phase I RFI/RI Report	11 Apr 94	•
4	Submit Draft Phase I Proposed IM/IRA Decision Document	14 Apr 94	•
12	Submit Draft Phase I RFI/RI Report	20 Apr 94	*
4	Submit Draft Phase II Work Plan	22 Apr 94	*
5	Submit Final Phase I RFI/RI Report	03 May 94	*
1	Submit Draft Responsiveness Summary	06 May 94	*
2	Submit Final CMS/FS Report	10 May 94	*
2	Submit Draft Proposed Plan	10 May 94	•
8	Submit Final Phase I RFI/RI Report	12 Jul 94	•
15	Submit Draft Phase I RFI/RI Report	01 Aug 94	On schedule
1	Submit Final CMS/FS Report	03 Aug 94	*

1	Submit Final Responsiveness Summary	03 Aug 94	*
1	Submit Draft CAD/ROD	03 Aug 94	*
13	Submit Draft Phase I RFI/RI Report	08 Aug 94	*
2	Submit Final Proposed Plan	09 Aug 94	*
10	Submit Draft Phase I RFI/RI Report	25 Aug 94	*
9	Submit Final Phase I RFI/RI Report	06 Sep 94	*
4	Submit Final Phase I Proposed IM/IRA Decision Document	12 Sep 94	*
7	Submit Draft Phase II RFI/RI Work Plan	13 Sep 94	*
12	Submit Final Phase I RFI/RI Report	15 Sep 94	*
4	Submit Final Phase II RFI/RI Work Plan	19 Sep 94	*
11	Submit Draft Phase I RFI/RI Report	20 Sep 94	*

\*Behind original IAG schedule; extension required.